

CONTENTS

Volume 35 Number 1 1976

- | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| M. R. Landry
The Structure of Marine Ecosystems: An Alternative | 1 | F. Blanc · P. Chardy · A. Laurec · J.-P. Reys
Choix des métriques qualitatives en analyse d'inertie.
Implications en écologie marine benthique.
[Choice of Qualitative Indices in Inertia Analysis.
Implications in Marine Benthic Ecology] | 49 |
| J. H. Steele
The Role of Predation in Ecosystem Models | 9 | L. V. Sick
Nutritional Effect of Five Species of Marine Algae on
the Growth, Development, and Survival of the Brine
Shrimp <i>Artemia salina</i> | 69 |
| M. Minas
Production organique primaire dans un milieu
saumâtre eutrophe (Etang de Berre). Effets d'une
forte dilution (dérivation des eaux de la Durance).
[Primary Organic Production in a Brackish Eutrophic
Environment (Etang de Berre). Effects of Strong
Dilution (Diversion of the Waters of the Durance)] | 13 | J. Mauchline
The Hiatt Growth Diagram for Crustacea | 79 |
| P. J. Le B. Williams · C. S. Yentsch
An Examination of Photosynthetic Production,
Excretion of Photosynthetic Products, and Hetero-
trophic Utilization of Dissolved Organic Compounds
with Reference to Results from a Coastal Subtropical
Sea | 31 | C. F. Phleger · J. Patton · P. Grimes · R. F. Lee
Fish-Bone Oil: Percent Total Body Lipid and
Carbon-14 Uptake Following Feeding of 1- ¹⁴ C-
Palmitic Acid | 85 |
| P. J. Le B. Williams · T. Berman · O. Holm-Hansen
Amino Acid Uptake and Respiration by Marine
Heterotrophs | 41 | J. H. Martin · P. D. Elliott · V. C. Anderlini · D. Girvin ·
S. A. Jacobs · R. W. Risebrough · R. L. Delong ·
W. G. Gilmartin
Mercury-Selenium-Bromine Imbalance in Premature
Parturient California Sea Lions | 91 |

Volume 35 Number 2 1976

- | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| K. F. Ehrlich · J. H. S. Blaxter · R. Pemberton
Morphological and Histological Changes
during the Growth and Starvation of Herring
and Plaice Larvae | 105 | G. A. Heslinga
Effects of Copper on the Coral-Reef Echinoid
<i>Echinometra mathaei</i> | 155 |
| D. V. Ward · B. L. Howes · D. F. Ludwig
Interactive Effects of Predation Pressure and
Insecticide (Temefos) Toxicity on Populations of
the Marsh Fiddler Crab <i>Uca pugnax</i> | 119 | J. S. Wroblewski · J. J. O'Brien
A Spatial Model of Phytoplankton Patchiness | 161 |
| V. S. Kennedy
Desiccation, Higher Temperatures and Upper
Intertidal Limits of Three Species of Sea Mussels
(Mollusca: Bivalvia) in New Zealand | 127 | P. J. Harrison · H. L. Conway · R. C. Dugdale
Marine Diatoms Grown in Chemostats under
Silicate or Ammonium Limitation. I. Cellular
Chemical Composition and Steady-State Growth
Kinetics of <i>Skeletonema costatum</i> | 177 |
| Mahmud Ahmad · J. A. Beardmore
Genetic Evidence that the "Padstow Mussel" is
<i>Mytilus galloprovincialis</i> | 139 | H. L. Conway · P. J. Harrison · C. O. Davis
Marine Diatoms Grown in Chemostats under
Silicate or Ammonium Limitation. II. Transient
Response of <i>Skeletonema costatum</i> to a Single
Addition of the Limiting Nutrient | 187 |
| E. G. Ruby · D. L. Fox
Anaerobic Respiration in the Polychaete <i>Euzonus</i>
(<i>Thoracophelia</i>) <i>mucronata</i> | 149 | | |

Volume 35 Number 3 1976

M. Elbrächter Population Dynamic Studies on Phytoplankton Cultures	201	B. Velimirov · E. L. Böhm Calcium and Magnesium Carbonate Concentrations in Different Growth Regions of Gorgonians	269
A. Herbland · J. Pagès Note on the Variability of Heterotrophic Activity Measurements by the ¹⁴ C Method in Sea Water	211	A. I. Payne The Relative Abundance and Feeding Habits of the Grey Mullet Species Occurring in an Estuary in Sierra Leone, West Africa	277
J. N. Kraeuter Biodeposition by Salt-Marsh Invertebrates	215	M. S. Gordon · B. W. Belman · P. H. Chow Comparative Studies on the Metabolism of Shallow-Water and Deep-Sea Marine Fishes. IV. Patterns of Aerobic Metabolism in the Mesopelagic Deep-Sea Fangtooth Fish <i>Anoplogaster cornuta</i>	287
A. A. Reimer Description of a <i>Tetracrita stalactifera panamensis</i> Community on a Rocky Intertidal Pacific Shore of Panama	225	O. Kinne Editorial Note	294
A. A. Reimer Succession of Invertebrates in Vacant Tests of <i>Tetracrita stalactifera panamensis</i>	239		
W. M. Goldberg Comparative Study of the Chemistry and Structure of Gorgonian and Antipatharian Coral Skeletons	253		

Volume 35 Number 4 1976

D. P. Middaugh · P. W. Lempesis Laboratory Spawning and Rearing of a Marine Fish, the Silverside <i>Menidia menidia menidia</i>	295	K. L. Heck, Jr. Community Structure and the Effects of Pollution in Sea-Grass Meadows and Adjacent Habitats	345
J. D. McEachran · D. F. Boesch · J. A. Musick Food Division within Two Sympatric Species-Pairs of Skates (Pisces: Rajidae)	301	D. R. Heinle · D. A. Flemer Flows of Materials between Poorly Flooded Tidal Marshes and an Estuary	359
M. W. Flowerdew · D. J. Crisp Allelic Esterase Isozymes, Their Variation with Season, Position on the Shore and Stage of Development in the Cirripede <i>Balanus balanoides</i>	319	K. Gocke Respiration von gelösten organischen Verbindungen durch natürliche Mikroorganismen-Populationen. Ein Vergleich zwischen verschiedenen Biotopen. [Respiration of Dissolved Organic Compounds by Natural Populations of Microorganisms. A Comparison between Different Biotopes]	375
C. Heip · N. Smol Influence of Temperature on the Reproductive Potential of Two Brackish-Water Harpacticoids (Crustacea: Copepoda)	327		
K. A. Mitchell Shell Selection in the Hermit Crab <i>Pagurus bernhardus</i>	335	Indexed in Current Contents	

